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OM nucleic - nucleic search, using sw model

Run on: July 9, 2005, 10:46:10 ; Search time 192.141 Seconds
(without alignments)
9120.666 Million cell updates/sec

Title: US-09-938-842A-1034
Perfect score: 1071
Sequence: 1 atggcgacaattcagaagct.....cacggtcatcgaaacctga 1071

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA.*
1: /cgn2_6/ptodata/1/ina/5A-COMB.seq.*
2: /cgn2_6/ptodata/1/ina/5B-COMB.seq.*
3: /cgn2_6/ptodata/1/ina/6A-COMB.seq.*
4: /cgn2_6/ptodata/1/ina/6B-COMB.seq.*
5: /cgn2_6/ptodata/1/ina/PCTUS-COMB.seq.*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	44	4.1	7218	1 US-08-232-463-14	Sequence 14, Appl
2	41	3.8	7218	1 US-08-232-463-14	Sequence 14, Appl
3	40.4	3.8	915	4 US-09-248-796A-6057	Sequence 6057, Ap
4	34	3.2	654	4 US-08-956-171E-613	Sequence 613, App
5	34	3.2	654	4 US-08-781-986A-613	Sequence 613, App
6	33.4	3.1	601	4 US-09-949-016-33921	Sequence 33921, A
7	33.4	3.1	601	4 US-09-949-016-133049	Sequence 133049,
8	33.4	3.1	34068	4 US-09-949-016-15489	Sequence 15489, A
9	33.4	3.1	51711	4 US-09-949-016-12559	Sequence 12559, A
10	33	3.1	2127	4 US-09-252-991A-8192	Sequence 8192, Ap
11	33	3.1	2874	4 US-09-252-991A-8112	Sequence 8112, Ap
12	32.8	3.1	4403765	3 US-09-103-840A-2	Sequence 2, Appli
13	32.2	3.0	2406	3 US-09-632-098-5	Sequence 5, Appli
14	32.2	3.0	2406	4 US-10-177-308-5	Sequence 5, Appli
15	32.2	3.0	2439	3 US-09-632-098-6	Sequence 6, Appli
16	32.2	3.0	2439	4 US-10-177-308-6	Sequence 6, Appli
17	31.6	3.0	601	4 US-09-949-016-121693	Sequence 121693,
18	31.6	3.0	601	4 US-09-949-016-121694	Sequence 121694,
19	31.6	3.0	601	4 US-09-949-016-121695	Sequence 121695,
20	31.6	3.0	1104	4 US-09-902-540-6871	Sequence 6871, Ap
21	31.6	3.0	1141	4 US-09-806-708B-22	Sequence 22, Appl
22	31.6	3.0	4019	4 US-09-902-540-583	Sequence 583, App
23	31.6	3.0	15192	4 US-09-949-016-15143	Sequence 15143, A
24	31.4	2.9	4411529	3 US-09-103-840A-1	Sequence 1, Appli
25	31	2.9	3842	4 US-09-976-594-279	Sequence 279, App
26	30.6	2.9	412	3 US-08-961-083-111	Sequence 111, App
27	30.6	2.9	412	4 US-09-536-784-111	Sequence 111, App

c 28	30.6	2.9	894	4 US-09-540-236-1485	Sequence 1485, Ap
c 29	30.6	2.9	912	4 US-09-489-039A-3905	Sequence 3905, Ap
c 30	30.6	2.9	963	4 US-09-270-767-2582	Sequence 2582, Ap
c 31	30.6	2.9	963	4 US-09-270-767-17864	Sequence 17864, A
c 32	30.6	2.9	1288	4 US-09-620-312D-546	Sequence 546, App
c 33	30.6	2.9	2322	4 US-09-270-767-1512	Sequence 1512, Ap
c 34	30.6	2.9	2322	4 US-09-270-767-16794	Sequence 16794, A
c 35	30.6	2.9	2427	4 US-09-270-767-4937	Sequence 4937, Ap
c 36	30.6	2.9	2427	4 US-09-270-767-20219	Sequence 20219, A
c 37	30.6	2.9	6693	3 US-08-961-527-195	Sequence 195, App
c 38	30.6	2.9	49617	4 US-09-596-002-28	Sequence 28, Appl
c 39	30.6	2.9	250715	4 US-09-949-016-13294	Sequence 13294, A
c 40	30.4	2.8	2172	1 US-07-982-712-1	Sequence 1, Appli
c 41	30.4	2.8	7766	3 US-09-125-619-3	Sequence 3, Appli
c 42	30.4	2.8	7766	4 US-10-222-566-3	Sequence 3, Appli
c 43	30.4	2.8	7766	4 US-10-143-024A-3	Sequence 3, Appli
c 44	30.4	2.8	580073	4 US-08-545-528D-1	Sequence 1, Appli
c 45	30.2	2.8	306	4 US-09-513-999C-11186	Sequence 11186, A

ALIGNMENTS

RESULT 1
US-08-232-463-14
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Hardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: pTZgpt-Flb
US-08-232-463-14

Query Match 4.1%; Score 44; DB 1; Length 7218;

Db 655 ATTATGATTCGCTCTTATCTGTGTGGTAACCTCTCTGTCTATGTTCTCTCAAGAACTTTG 714
QY 907 TCGTTATGGCTCC 920
Db 715 GCTGCTTTGGCTCC 728

RESULT 4

US-08-956-171E-613/c
; Sequence 613, Application US/08956171E
; Patent No. 6593114
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; Gil H. Choi
; Patrick S. Dillon
; Craig A. Rosen
; Steven C. Barash
; Michael R. Pannon
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5256
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/956,171E
; FILING DATE: 20-Oct-1997
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/009,861
; FILING DATE: January 5, 1996
; APPLICATION NUMBER: 08/781,986
; FILING DATE: January 3, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark J. Hyman
; REGISTRATION NUMBER: 46,789
; REFERENCE/DOCKET NUMBER: PB248P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (240) 314-1224
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 613:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 654 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 613:

US-08-956-171E-613

Query Match 3.2%; Score 34; DB 4; Length 654;
Best Local Similarity 48.0%; Pred. No. 1.3;
Matches 97; Conservative 0; Mismatches 105; Indels 0; Gaps 0;

QY 472 ATGGGTGAAAATCTGATGAAGAAGAAAGCTAAACGACCTTCTAAACAGTGAGTATATAGAC 531
Db 455 ATTACTGCAATTGATAGACATAGATAAAGAAATACGCCAAATACTTTGTTAATTGCC 396
QY 532 ATAAGCGACGCGTTTTCAGCTTCCTCCGGTTTTCCTCCAGTCCCAATTCGACGACGATC 591
Db 395 TTAGGCATAGACTTTTGGGTCATCTGATTCAACGAGGTTACTGCTACTTCTGTA 336
QY 592 CAACCTCGCAGCTCTGGCATCTCCACTGTGGCTCAGCAACTTCTGCCGCAAGGAATG 651
Db 335 CCACCAACCGAAATCCGCGCACTAATAATACGCCCTAAGAAACCAAGAGATACCAACA 276

QY 652 TATCCGATGTGGGCTATTCCAT 673
Db 275 AACGGTGTGGCCTTTTGAT 254

RESULT 5

US-08-781-986A-613/c
; Sequence 613, Application US/08781986A
; Patent No. 6737248
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5255
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/781,986A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Benson, Bob
; REGISTRATION NUMBER: 30,446
; REFERENCE/DOCKET NUMBER: PB248PP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 613:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 654 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; US-08-781-986A-613

Query Match 3.2%; Score 34; DB 4; Length 654;
Best Local Similarity 48.0%; Pred. No. 1.3;
Matches 97; Conservative 0; Mismatches 105; Indels 0; Gaps 0;

QY 472 ATGGGTGAAAATCTGATGAAGAAGAAAGCTAAACGACCTTCTAAACAGTGAGTATATAGAC 531
Db 455 ATTACTGCAATTGATAGACATAGATAAAGAAATACGCCAAATACTTTGTTAATTGCC 396
QY 532 ATAAGCGACGCGTTTTCAGCTTCCTCCGGTTTTCCTCCAGTCCCAATTCGACGACGATC 591
Db 395 TTAGGCATAGACTTTTGGGTCATCTGATTCAACGAGGTTACTGCTACTTCTGTA 336
QY 592 CAACCTCGCAGCTCTGGCATCTCCACTGTGGCTCAGCAACTTCTGCCGCAAGGAATG 651
Db 335 CCACCAACCGAAATCCGCGCACTAATAATACGCCCTAAGAAACCAAGAGATACCAACA 276
QY 652 TATCCGATGTGGGCTATTCCAT 673
Db 275 AACGGTGTGGCCTTTTGAT 254

RESULT 6

US-09-949-016-33921
; Sequence 33921, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:

```

; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 33921
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-33921

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	Query Match	3.1%;	Score 33.4;	DB 4;	Length 601;
	Best Local Similarity	53.4%;	Pred. No. 1.9;		
	Matches	70;	Conservative 0;	Mismatches 61;	Indels 0; Gaps 0;
Qy	29	TTGCAGGCAAGATCAAACTCTRAGAGCCGTTGATCTAAACCATCATCAACGGCGTCAGAA	88		
Db	100	TTGCTGTCCCTTTTGGAAAGTCCATTTGCCACTGATGGCACAAAGGCTCATCTCGTCTGAA	159		
Qy	89	ACGTTCGAAACTTCAAGACCTTTTCCAAGTAAATCCACAGTCAGTCTCGAGGCCCAAGGGGG	148		
Db	160	TCGTCACTTCGCAAGACAGAAAGGAGCCATTTCACACTGGGGCTGGCAGCCAGCAGG	219		
Qy	149	AGCCGGTGATG	159		
Db	220	AGCAGGGCATG	230		

RESULT 7
US-09-949-016-133049
; Sequence 133049, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 133049
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-133049

	Query Match	3.1%	Score 33.4	DB 4	Length 601
	Best Local Similarity	53.4%	Pred. No. 1.9		
	Matches	70	Conservative	0	Mismatches 61; Indels 0; Gaps 0
Qy	29	TTGCAGGAAAGATCAAACCTTAAGAGCGCTTGATCTTAAACCATCATCAACACGCGCTCGAA			88
Db	100	TTGCTGTCCTTTCGAAAGTCATTTGCGCACTGATGGCACAAGGCTCATCTCGTCTGAA			159
Qy	89	ACGTGCAAACTTCAAGACCTTTTCCAAAGTAATCCCAAGTGAAGTTCGAGGCCCAAGGCGG			148
Db	160	TCGTCACTCTCAAAAGACAGAAAGGAGGCATTTCACACTGGGGCTGCAGCAGCAGCGG			219

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Qy      149  AGCGGTGATG 159
      ||| |||
      220  AGCAGGCATG 230

Db

RESULT 8
US-09-949-016-15489/c
; Sequence 15489, Application US/09949016
; Patent NO. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15489
; LENGTH: 34068
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-15489

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	Query Match	3.1%	Score 33.4;	DB 4;	Length 34068;
	Best Local Similarity	53.4%;	Pred. No. 21;		
	Matches 70;	Conservative 0;	Mismatches 61;	Indels 0;	Gaps 0;
Qy	29	TTGCAGGCAAGATCAAACTCTAAGACCGTGTGATCTAAACCATCATCAACGCGTCAGAA	88		
Db	16953	TTGCTGTCCCTTTGGAAAGTCCATTGCCACTGATGGCACAAGGCTCATCTCGTCTGAA	16894		
Qy	89	ACGTTCGAAACTTTCAAAGTAAATCCACAGTCAGTCTTCGAGCCCAAGCGG	148		
Db	16893	TCGTCACTCTCGAAAGACAGAAGGACCATTCACACTGGGCTGCGAGCCAGCGG	16834		
Qy	149	AGCGGTGATG	159		
Db	16833	AGCAGGGCATG	16823		

```

RESULT 9
US-09-949-016-12559/c
; Sequence 12559, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12559
; LENGTH: 51711
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-12559

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Query Match 3.1%; Score 33.4; DB 4; Length 51711;
Best Local Similarity 53.4%; Pred. No. 27;
Matches 70; Conservative 0; Mismatches 61; Indels 0; Gaps 0;

QY 29 TTGACAGGCAAGATCAAACTCTAAGAGCGGTGATCTAACCATCATCAACGCGCTCAGAA 88
|||||
Db 34596 TTGCTGTCCCTTTGGAAGATCCATTGGCACTGATGGACACAGGCTCATCTCGTCTGAA 34537
|||||

QY 89 AGCTCGAAACTTCAAGACCTTCCAAAGTAAATCCACAGTAGTGTCTCGAGCCCAAGGCGG 148
|||||
Db 34536 TCGTCACTCTGCAAGACAGAAGAGGCCATTACACACTGGGGCTGSCAGCCAGCAGG 34477
|||||

QY 149 AGCCGGTGATG 159
|||||
Db 34476 AGCAGGCGATG 34466
|||||

RESULT 10
US-09-252-991A-8192
; Sequence 8192, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 8192
; LENGTH: 2127
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (291)
; OTHER INFORMATION: Identity of nucleotide at the above locations are unknown.
US-09-252-991A-8192

Query Match 3.1%; Score 33; DB 4; Length 2127;
Best Local Similarity 49.2%; Pred. No. 5.5;
Matches 87; Conservative 0; Mismatches 90; Indels 0; Gaps 0;

QY 111 CCAAGTAAATCCACAGTAGTCTCGAGCCCAAGCGGAGCGGTGATGCGGTCTGTTTC 170
|||||
Db 70 CCAAGCTGGAACAGCTGGAGGCTTATAGCAGACGACGCCACCGGAGAGGCGCTGAGCACC 129
|||||

QY 171 AATGCTTTAGTCCACCGTCTTCAGACGAGGACCACCATTTGAAGAGAGCTTCGACTAAGA 230
|||||
Db 130 AATACCGGCAACCGCATCGCCGATTAACAGAACACCTTGAAGGCGCGGAGCGGACCG 189
|||||

QY 231 CCGTCACACGAGGTTGAAGGAGGAGGAGGATAGCGATGCTGCCAGCTGTGC 287
|||||
Db 190 TCGTTGCTCGAAGACTTCATCATGCGCGAGAGATCACCCACTTCGACCAAGAGCGC 246
|||||

RESULT 11
US-09-252-991A-8112/c
; Sequence 8112, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18

; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 8112
; LENGTH: 2874
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (2266)
; OTHER INFORMATION: Identity of nucleotide at the above locations are unknown.
US-09-252-991A-8112

Query Match 3.1%; Score 33; DB 4; Length 2874;
Best Local Similarity 49.2%; Pred. No. 6.5;
Matches 87; Conservative 0; Mismatches 90; Indels 0; Gaps 0;

QY 111 CCAAGTAAATCCACAGTAGTCTCGAGCCCAAGCGGAGCGGTGATGCGGTCTGTTTC 170
|||||
Db 2487 CCAAGCTGGAACAGCTGGAGGCTTATAGCAGACGACGCCACCGGAGAGGCGCTGAGCACC 2428
|||||

QY 171 AATGCTTTAGTCCACCGTCTTCAGACGAGGACCACCATTTGAAGAGAGCTTCGACTAAGA 230
|||||
Db 2427 AATACCGGCAACCGCATCGCCGATTAACAGAACACCTTGAAGGCGCGGAGCGGACCG 2368
|||||

QY 231 CCGTCACACGAGGTTGAAGGAGGAGGAGGATAGCGATGCTGCCAGCTGTGC 287
|||||
Db 2367 TCGTTGCTCGAAGACTTCATCATGCGCGAGAGATCACCCACTTCGACCAAGAGCGC 2311
|||||

RESULT 12
US-09-103-840A-2
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Query Match 3.1%; Score 32.8; DB 3; Length 4403765;
Best Local Similarity 59.8%; Pred. No. 2.8e+02;
Matches 55; Conservative 0; Mismatches 37; Indels 0; Gaps 0;

QY 133 CTCGAGCCCAAGCGGAGCGGTGATGCGGTCTGTTTCAATGTCTTTAGCTCCACCGTCT 192
|||||
Db 3941480 CTGGCGGACAGGCGGCGCGGGGTCTGGCGGGCGCGCGATTAACCCACCGCA 3941539
|||||

QY 193 TCGACAGACCCACCATTTGAAGAGAGCTTCGAC 224
|||||
Db 3941540 TCGGCGGACCGCGGTGACGCGGCGCACCGCGC 3941571
|||||

RESULT 13
US-09-632-098-5
; Sequence 5, Application US/09632098
; Patent No. 6420154


```

Db 1136 AYCCNTTYCCNMGNGTNTTYMSNGCNTGYWSNMGMNMCARYTNMNGNCNTTYTTYMGNA 1195
QY 817 ATGGCTAGACCACTCCTTTACAGTTGTTCACAGCAGCGGCTTTGTATCCGTTTCAGAC 876
Db 1196 ARGNGNGNGNCNTGYTTNWSNAYGCNCNGAYCCNGNYTNCNGTNCNCNGCNY 1255
QY 877 GTTAGCGGTTTGAATTATCAAGAGCGACGTCGGTTATGGCTCCGAGCTCAAGCTCAGGC 936
Db 1256 TMTGYGNAAYGGNTTYGTNGARGCNGGNGARGARTGYGAVTGYGNGCNGGNCARGART 1315
QY 937 GTAACACCGGTAGTTTCATCGTCAT 962
Db 1316 GYMNGAYTTNTGYTGYTYGCNCAY 1341

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Search completed: July 9, 2005, 12:58:47
 Job time : 207.141 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: July 9, 2005, 12:39:30 ; Search time 712.441 Seconds
(without alignments)

9438.079 Million cell updates/sec

Title: US-09-938-842A-1034

Perfect score: 1071

Sequence: 1 atggcgacaattcgaagct.....cacggatcgaaccactga 1071

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 6330943 seqs, 3139157217 residues

Total number of hits satisfying chosen parameters: 12661886

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:**

- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq.*
- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq.*
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq.*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq.*
- 6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq.*
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- 9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq.*
- 10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq.*
- 12: /cgn2_6/ptodata/2/pubpna/US09C_NEW_PUB.seq.*
- 13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq.*
- 14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq.*
- 15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq.*
- 16: /cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq.*
- 17: /cgn2_6/ptodata/2/pubpna/US10E_PUBCOMB.seq.*
- 18: /cgn2_6/ptodata/2/pubpna/US10F_PUBCOMB.seq.*
- 19: /cgn2_6/ptodata/2/pubpna/US10G_PUBCOMB.seq.*
- 20: /cgn2_6/ptodata/2/pubpna/US10H_PUBCOMB.seq.*
- 21: /cgn2_6/ptodata/2/pubpna/US10I_PUBCOMB.seq.*
- 22: /cgn2_6/ptodata/2/pubpna/US10J_NEW_PUB.seq.*
- 23: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq.*
- 24: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq.*
- 25: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
- 26: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1071	100.0	1071	9	US-09-938-842A-1034
2	1071	100.0	1071	11	US-09-938-842A-1034
C 3	448	41.8	460	9	US-09-924-035A-502
C 4	439	41.0	453	9	US-09-770-444-615
5	228.6	21.3	1847	18	US-10-424-599-109777
6	185	17.3	185	9	US-09-770-696-257
7	183.6	17.1	1090	18	US-10-425-114-8512
					Sequence 1034, Ap
					Sequence 1034, Ap
					Sequence 502, App
					Sequence 615, App
					Sequence 109777,
					Sequence 257, App
					Sequence 8512, Ap

8	157.8	14.7	1176	18	US-10-425-114-14614
9	145.2	13.6	1113	18	US-10-424-599-43464
10	144.8	13.5	1616	20	US-10-739-930-3143
11	138	12.9	1594	18	US-10-424-599-63594
12	129	12.0	1519	18	US-10-425-114-14605
13	129	12.0	1728	10	US-09-934-455-169
14	129	12.0	1728	17	US-10-225-068-165
15	129	12.0	1728	17	US-10-374-780A-219
16	129	12.0	1728	21	US-10-225-068-165
17	127.4	11.9	671	17	US-10-374-780A-1390
18	126	11.8	587	19	US-10-021-323-15482
19	124.6	11.6	1231	10	US-09-934-455-137
20	124.6	11.6	1231	17	US-10-225-068-245
21	124.6	11.6	1231	17	US-10-302-267-61
22	124.6	11.6	1231	17	US-10-374-780A-2425
23	124.6	11.6	1231	18	US-10-412-699B-553
24	124.6	11.6	1231	21	US-10-225-068-245
25	124.6	11.6	1540	18	US-10-425-114-12989
26	124.4	11.6	1440	19	US-10-767-795-4247
27	122.8	11.5	938	19	US-10-767-795-3984
28	121.6	11.4	1604	15	US-10-295-403-147
29	121.6	11.4	1604	18	US-10-412-699B-551
30	119.8	11.2	587	18	US-10-425-114-30404
31	119.8	11.2	668	18	US-10-425-114-27401
32	119.8	11.2	678	20	US-10-425-115-31245
33	118	11.0	490	10	US-09-770-961-675
34	117.8	11.0	1635	19	US-10-437-963-40920
35	117.4	11.0	390	11	US-09-732-627A-4287
36	113.8	10.6	1260	19	US-10-437-963-26590
37	113.2	10.6	600	19	US-10-767-795-3868
38	113	10.6	1322	19	US-10-437-963-12388
39	111.8	10.4	563	19	US-10-767-701-117
40	111.4	10.4	1608	18	US-10-425-114-9860
41	111.4	10.4	1830	18	US-10-424-599-79271
42	111.2	10.4	422	9	US-09-770-423-332
43	111.2	10.4	881	18	US-10-425-114-14725
44	111.2	10.4	1009	10	US-09-934-455-133
45	111.2	10.4	1009	15	US-10-295-403-145

ALIGNMENTS

RESULT 1
US-09-938-842A-1034
; Sequence 1034, Application US/0938842A
; Patent No. US20020160378A1
; GENERAL INFORMATION:
; APPLICANT: Harper, Jeff
; APPLICANT: Kreps, Joel
; APPLICANT: Wang, Xun
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
; FILE REFERENCE: SCRI300-3
; CURRENT APPLICATION NUMBER: US/09/938,842A
; CURRENT FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/227,866
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/264,647
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/300,111
; PRIOR FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 1034
; LENGTH: 1071
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-938-842A-1034

Query Match 100.0%; Score 1071; DB 9; Length 1071;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1071; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	780	GT	CGTCTTACGTGCGCGCTGTTCAACAGGCTTCCAGATGGCTAGACCACTCCTTTACA	839
Db	281	GT	CGTCTTACGTGCGCGCTGTTCAACAGGCTTCCAGATGGCTAGACCACTCCTTTACA	222
Qy	840	AGT	TGTTCCAAAGCAGACGGCTTTGTATCCGTTTCAGACGTTAGCGGTTTCGAAATTTATCAAG	899
Db	221	AGT	TGTTCCAAAGCAGACGGCTTTGTATCCGTTTCAGACGTTAGCGGTTTCGAAATTTATCAAG	162
Qy	900	AGC	GAGTCGCGTTATGGCTCCGAGCTCAAGCTCAGGGGTAAACAACGGGTAGTTCATCGTC	959
Db	161	AGC	GAGTCGCGTTATGGCTCCGAGCTCAAGCTCAGGGGTAAACAACGGGTAGTTCATCGTC	102
Qy	960	AAT	TGCAACAACAACGACGACACGCTGAGAGACTTCTCCCTAGAGATATACGAGAAACA	1019
Db	101	AAT	TGCAACAACAACGACGACACGCTGAGAGACTTCTCCCTAGAGATATACGAGAAACA	42
Qy	1020	AGAG	CTTCCACGTTTCATGAGCAACCAACAGCACCGTCAAT	1060
Db	41	AGAG	CTTCCACGTTTCATGAGCAACCAACAGCACCGTCAAT	1

US-09-770-444-615/c
; Sequence 615, Application US/09770444
; Patent No. US20020023280A1
; GENERAL INFORMATION:
; APPLICANT: Gorlach, Jorn
; APPLICANT: An, Yong-Qiang
; APPLICANT: Hamilton, Carol M.
; APPLICANT: Price, Jennifer L.

yang
eaka Joshua C

: NAMEAKA, OOSHUA G.
 : APPLICANT: Page, Amy
 : APPLICANT: Matthew, Abraham V.
 : APPLICANT: Ledford, Brooke L.
 : APPLICANT: Woessner, Jeffrey P.
 : APPLICANT: Haas, William David
 : APPLICANT: Garcia, Carlos A.
 : APPLICANT: Kricker, Maja
 : APPLICANT: Slader, Ted
 : APPLICANT: Davis, Keith R.
 : APPLICANT: Allen, Keith
 : APPLICANT: Hoffman, Neil
 : APPLICANT: Hurban, Patrick
 : TITLE OF INVENTION: Expressed Sequences of Arabidopsis
 : FILE REFERENCE: 2027 (PARA-016PRV)
 : CURRENT APPLICATION NUMBER: US/09/770,444
 : CURRENT FILING DATE: 2001-01-26
 : PRIOR APPLICATION NUMBER: 60/178,502
 : PRIOR FILING DATE: 2000-01-27
 : NUMBER OF SEQ ID NOS: 999
 : SOFTWARE: FastSeq for Windows Version 4.0
 : SEQ ID NO 615
 : LENGTH: 453

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; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(453)
; OTHER INFORMATION: n = A,T,C or G
US-09-770-444-615

Query Match 41.0%; Score 439; DB 9; Length 453;
Best Local Similarity 99.1%; Pred. No. 8,7e-140;
Matches 450; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

Qy 607 CTGGCATCATCCACTGTGGCTCAGCAACTTCTGCCGCCAAGGAATGTATCCGATGTGGGCT 666
|||||
Db 453 CTGGCATCATCCACTGTGGCTCAGCAACTTCTGCCGCCAAGGAATGTATCCGATGTGGGCT 394
|||||

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Db 393 ATTCCATCAACGCAATGATTCGAGCGTCGAGCTTCTTCTTGATCCACAATCGCT 334
QY 727 GGTCCGTCGAATCAGCGCTCAGTTATTAAGCTTTTCCGCGCGCGTCTTCGCGCTCGTCT 786
Db 333 GGTCCGTCGAATCAGCGCTCAGTTATTAAGCTTTTCCGCGCGCGC-NNNTCCGCGCTCGTCT 275
QY 787 TACGTCGCGCTGTTCAACAGCGCTTCCAGATGGCTAGACCACTCTTTTACAAGTTGTT 846
Db 274 TACGTCGCGCTGTTCAACAGCGCTTCCAGATGGCTAGACCACTCTTTTACAAGTTGTT 215
QY 847 CCAAGCAGCGCTTGTATTCGCTTTTCAGAGCTTAGCGGTTTCAATTTATCAAGAGCGAG 906
Db 214 CCAAGCAGCGCTTGTATTCGCTTTTCAGAGCTTAGCGGTTTCAATTTATCAAGAGCGAG 155
QY 907 TCGGTTATGGCTCCGAGCTCAAGCTCAGCGCTAAGCGGTAAACAACCGGTAGTTCATCGTCAATGCA 966
Db 154 TCGGTTATGGCTCCGAGCTCAAGCTCAGCGGTAAACAACCGGTAGTTCATCGTCAATGCA 95
QY 967 ACAACCAACGACACACGCTGAGAGCTTCTCCCTAGAGATATACGAGAAACAAGAGCTT 1026
Db 94 ACAACCAACGACACACGCTGAGAGCTTCTCCCTAGAGATATACGAGAAACAAGAGCTT 35
QY 1027 CACCAAGTTCAATGAGCAACCAACAGCAGCGTCAAT 1060
Db 34 CACCAAGTTCAATGAGCAACCAACAGCAGCGTCAAT 1

RESULT 5

US-10-424-599-109777
; Sequence 109777, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; PRIORITY FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 109777
; LENGTH: 1847
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_70141C.1
US-10-424-599-109777

Query Match 21.3%; Score 228.6; DB 18; Length 1847;
Best Local Similarity 62.7%; Pred. No. 5.5e-67;
Matches 398; Conservative 0; Mismatches 219; Indels 18; Gaps 2;
QY 136 GAGCCCAAGCGGAGCGCGGTGATCGCGCTGTTTCAATGCTTTAGCTCCACCGCTTCG 195
Db 329 GTGCAAGTCCCGCGGGGATGCTATGCTCATGTCAAAGCTCTGGCCCGAGCCCAAGCC 388
QY 196 ACAGGACCAACCAATGAAGAGAGCTTCGACTAAGACCGGTCAACAAGAGTTGAAGGAAGA 255
Db 389 CAGGCCCAACCAACAAGCGGCGCTCCACAAGACCGCCACCAAGTAGAGGGCGA 448
QY 256 GGGAGAAGATACGAGTCCGCTCCACAGTGTGCGGTAGATTTTCAATTAATCTGAGAG 315
Db 449 GCGAGAAGATCCGAATGCCCGCCACAGTGTGCGGGGAGGATCTTCAGCTGACCCGAGAG 508
QY 316 TTAGTCTCAAAATCCGAGCGGCAACAGATTCCGTTGTTGAGAAAGCTGAGCGCGG 375
Db 509 CTCGGTCAATAATCCGAGCGGCAACAGATTCCGTTGTTGAGAAAGCTGAGCGCGG 568
QY 376 ATTATAGCGCGCACGCGGTACGGAACGGTTCCCGCATCGCATGTCCGTTAAACGGAACC 435

Db 569 ATCATCGCGGCCACCGGACACCGGCACAGTCCCGCCATCGCGATGTCCTCAATCGAAGC 628
QY 436 TTAAAAATCCCGACGACGACGAAACGCTGATTTCTGATATGGGTGAAAAATCTGATGAAGAG 495
Db 629 TTAAAGATTCCGACCACTTCCATCAAGAAACCGGAGAGAGCCCGCGAGAGGAAG 688
QY 496 AAAAGTAAACGACCTTCTAAACAGTGAATATAGACATAA--GGAGCGCGTTTCAGCT 552
Db 689 AAGCGCAACGACCGCGGAATAGCGCTTACGTGGACATAAAACGGCGCGCGTTCGGTTC 748
QY 553 TCCTCCGCTTAGCTCCAAATTCGCCACGACGACGATCCCAACCTCCCGAAGCTCTGGCA 612
Db 749 TCGGCGGGCTCGCAAGCTCTATTATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 808
QY 613 TCATCCATGTGGCTCAGCAACTTC-----TGCCGCAAGGAATGTATCCG 657
Db 809 ACGACACGATGGCAATTCGCAACATACAGCAATTCGTTTCCCGCAAGGAATGGTTCCC 868
QY 658 ATGTGGGCTATTCCATCAACGCAATGATTCGAGCGTCCGAGCTTCTTCTTCTTGAATCCA 717
Db 869 GTGTGGGCTATCCCTTCAACGCGCTCGTCCGCTCGAGGAGCTTTTTTTTGTGTTCTT 928
QY 718 CAAATCGCTGCTCGCTCGAATCAGCTCAGTTATT 752
Db 929 CAAAGCGGCTGCTTTCAGCATCAACCTCAGTTT 963

RESULT 6

US-09-770-696-257
; Sequence 257, Application US/09770696
; Patent No. US20010044940A1
; GENERAL INFORMATION:
; APPLICANT: Gorlach, Jorn
; APPLICANT: An, Yong-Qiang
; APPLICANT: Hamilton, Carol M.
; APPLICANT: Price, Jennifer L.
; APPLICANT: Raines, Tracy M.
; APPLICANT: Yu, Yang
; APPLICANT: Rameaka, Joshua G.
; APPLICANT: Page, Amy
; APPLICANT: Matthew, Abraham V.
; APPLICANT: Ledford, Brooke L.
; APPLICANT: Woesner, Jeffrey P.
; APPLICANT: Haas, William David
; APPLICANT: Garcia, Carlos A.
; APPLICANT: Krieger, Maja
; APPLICANT: Slader, Ted
; APPLICANT: Davis, Keith R.
; APPLICANT: Allen, Keith
; APPLICANT: Hoffman, Neil
; APPLICANT: Hurban, Patrick
; TITLE OF INVENTION: Expressed Sequences of Arabidopsis
; FILE OF INVENTION: thaliana
; FILE REFERENCE: 2031US (PARA-020PRV)
; CURRENT APPLICATION NUMBER: US/09/770,696
; PRIORITY FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/178,278
; NUMBER OF SEQ ID NOS: 911
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 257
; LENGTH: 185
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-770-696-257

Query Match 17.3%; Score 185; DB 9; Length 185;
Best Local Similarity 100.0%; Pred. No. 1.5e-52;
Matches 185; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 35 GCAAGATCAAACTCTAAGAGCGGTGATCTTAACCATCATCAACGGGTGAGAAACGTCG 94
Db 1 GCAAGATCAAACTCTAAGAGCGGTGATCTTAACCATCATCAACGGGTGAGAAACGTCG 60

Db 729 CAGTCGTCCGGTCTGCGCCCGGTT 752

RESULT 12

US-10-425-114-14605
; Sequence 14605, Application US/10425114
; Publication No. US2004003488A1

GENERAL INFORMATION:

; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 14605
; LENGTH: 1519

; TYPE: DNA

; ORGANISM: Arabidopsis thaliana

FEATURE:

; OTHER INFORMATION: Clone ID: LIB23-047-E8_FLI

US-10-425-114-14605

Query Match 12.0%; Score 129; DB 18; Length 1519;

Best Local Similarity 71.0%; Pred. No. 9.7e-33;

Matches 171; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

QY 189 GTCTTCGACAGACCACTTGAAGAGAGCTTCGACTAAGACCGTCACACGAGGTTGA 248

Db 68 GGCAGCTAAAAAGCCACCGTTGAAACGAGCGTCGACGAAAGACCGACACACGAAAGTAGA 127

QY 249 AGGAAGAGGAGAGGATACGATGCTGCCACGCTGCGGCTAGGATTTTCAATTAAAC 308

Db 128 CGGAGAGGAGAGAGATTAAGNTGCGCGGTATGTGACGCTAGGTTTTCACGCTAAC 187

QY 309 TCGAGAGTTAGTCAAAATCCGACGGGAAACGATTCGGTGGTGTGTTGGAGAACGCTGA 368

Db 188 GCGAGAGCTAGGTCAATAATCCGAGCGGTGAGACAATAGATGGCTTCTTCAACAAGCTGA 247

QY 369 GCCGCGGATTATAGCGGACCGGTCGGAACCGGTTCCGCCATCGGCATGTCGGTTAA 428

Db 248 ACCATCTGTAATCGCGCCACCGGAAACCGGAAACAATCCGCGGAATTTCACTTCTTTAA 307

QY 429 C 429

Db 308 C 308

RESULT 13

US-09-934-455-169

; Sequence 169, Application US/09934455

; Publication No. US20030121070A1

GENERAL INFORMATION:

; APPLICANT: Adam, Luc
; APPLICANT: Creelman, Robert
; APPLICANT: Dubell, Arnold
; APPLICANT: Heard, Jacqueline
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Keddle, James
; APPLICANT: Pilgrim, Marsha
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Reuber, Lynne
; APPLICANT: Riechmann, Jose Luis
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Pineda, Omlira
; TITLE OF INVENTION: Genes for Modifying Plant Traits IV
; FILE REFERENCE: MBI-0025
; CURRENT APPLICATION NUMBER: US/09/934,455

; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227439

; PRIOR FILING DATE: 2000-08-22

; PRIOR APPLICATION NUMBER: MBI-0022

; PRIOR FILING DATE: 2001-11-16

; PRIOR APPLICATION NUMBER: MBI-0023

; PRIOR FILING DATE: 2001-04-17

; NUMBER OF SEQ ID NOS: 516

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 169

; LENGTH: 1728

; TYPE: DNA

; ORGANISM: Arabidopsis thaliana

FEATURE:

; NAME/KEY: CDS

; LOCATION: (106)..(1575)

; OTHER INFORMATION: G1064

US-09-934-455-169

Query Match 12.0%; Score 129; DB 10; Length 1728;

Best Local Similarity 71.0%; Pred. No. 1e-32;

Matches 171; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

QY 189 GTCTTCGACAGACCACTTGAAGAGAGCTTCGACTAAGACCGTCACACGAGGTTGA 248

Db 420 GGCAGCTAAAAAGCCACCGTTGAAACGAGCGTCGACGAAAGACCGACACACGAAAGTAGA 479

QY 249 AGGAAGAGGAGAGGATACGATGCTGCCACGCTGCGGCTAGGATTTTCAATTAAAC 308

Db 480 CGGAGAGGAGAGGAGATAAGGATCGCGCGCTTATGTGACGCTAGGTTTTCACGCTAAC 539

QY 309 TCGAGAGTTAGTCAAAATCCGACGGGAAACGATTCGGTGGTGTGTTGGAGAACGCTGA 368

Db 540 GCGAGAGCTAGGTCAATAATCCGACGGTGAACAATAGATGGCTTCTTCAACAAGCTGA 599

QY 369 GCCGCGGATTATAGCGGACCGGTCGGAACCGGTTCCGCCATCGGCATGTCGGTTAA 428

Db 600 ACCATCTGTAATCGCGCCACCGGAAACCGGAAACAATCCGCGGAATTTCACTTCTTTAA 659

QY 429 C 429

Db 660 C 660

RESULT 14

US-10-225-068-165

; Sequence 165, Application US/10225068

; Publication No. US20030217383A1

GENERAL INFORMATION:

; APPLICANT: Mendel Biotechnology, Inc.
; APPLICANT: Reuber, T. Lynne
; APPLICANT: Riechmann, Jose Luis
; APPLICANT: Heard, Jacqueline E.
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Adam, Luc J.
; APPLICANT: Dubell, Arnold T.
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Pineda, Omlira
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Broun, Pierre E.
; TITLE OF INVENTION: STRESS-RELATED POLYNUCLEOTIDES AND
; TITLE OF INVENTION: POLYPEPTIDES IN PLANTS
; FILE REFERENCE: 514442002040
; CURRENT APPLICATION NUMBER: US/10/225,068
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 60/310,847
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/336,049
; PRIOR FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/338,692
; PRIOR FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: 10/171,468
; PRIOR FILING DATE: 2002-06-14


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/ NUMBER OF SEQ ID NOS: 246
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 165
/ LENGTH: 1728
/ TYPE: DNA
/ ORGANISM: Arabidopsis thaliana
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: (106)...(1575)
US-10-225-068-165

Query Match      12.0%; Score 129; DB 17; Length 1728;
Best Local Similarity 71.0%; Pred. No. 1e-32;
Matches 171; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

QY 189 GTCTTCGACAGGACACACCATTTGAAGAGAGCTTCGACTAAAGACCGTCAACAGAGTTGA 248
Db 420 GCGAGCTAAAGACCCACCGTTGAAACGAGCGTCGACGAAAGACCGACACACGAAAGTAGA 479

QY 249 AGGAGAGGAGAGAGATACGATCGCTCCACGTTGCGGCTAGGATTTTCAATTAAAC 308
Db 480 CGGAGAGGAGAGAGATTAAGATGCGGCGTTATGTGACGTAGGGTTTTCAGCTAAC 539

QY 309 TCGAGAGTTAGTTCACAAATCCGACGGGACCGTTCCGCCATCGCCATGTCGGTTAA 428
Db 600 ACCATCTGTAATCGCGGCCACCGGAAACCAATCCCGCGAATTTCACTTCTTTTAA 659

QY 429 C 429
Db 660 C 660

RESULT 15
US-10-374-780A-219
/ Sequence 219, Application US/10374780A
/ Publication No. US20040019927A1
/ GENERAL INFORMATION:
/ APPLICANT: Sherman, Bradley K
/ APPLICANT: Riechmann, Jose Luis
/ APPLICANT: Jiang, Cai-Zhong
/ APPLICANT: Heard, Jacqueline E
/ APPLICANT: Haake, Volker
/ APPLICANT: Creelman, Robert A
/ APPLICANT: Ratcliffe, Oliver
/ APPLICANT: Adam, Luc J
/ APPLICANT: Reuber, T. Lynne
/ APPLICANT: Keddie, James
/ APPLICANT: Broun, Pierre E
/ APPLICANT: Pilgrim, Marsha L
/ APPLICANT: Dubell III, Arnold T
/ APPLICANT: Pineda, Omaira
/ APPLICANT: Yu, Guo-Liang
/ TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS
/ FILE REFERENCE: MBI-0047 CIP
/ CURRENT APPLICATION NUMBER: US/10/374,780A
/ CURRENT FILING DATE: 2003-02-25
/ PRIOR APPLICATION NUMBER: 09/837,944
/ PRIOR FILING DATE: 2001-04-18
/ PRIOR APPLICATION NUMBER: 60/310,847
/ PRIOR FILING DATE: 2001-08-09
/ PRIOR APPLICATION NUMBER: 09/934,455
/ PRIOR FILING DATE: 2001-08-22
/ PRIOR APPLICATION NUMBER: 60/336,049
/ PRIOR FILING DATE: 2001-11-19
/ PRIOR APPLICATION NUMBER: 60/338,692
/ PRIOR FILING DATE: 2001-12-11
/ PRIOR APPLICATION NUMBER: 10/171,468
/ PRIOR FILING DATE: 2002-06-14
/ PRIOR APPLICATION NUMBER: 10/225,066
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/ PRIOR FILING DATE: 2002-08-09
/ PRIOR APPLICATION NUMBER: 10/225,067
/ PRIOR FILING DATE: 2002-08-09
/ PRIOR APPLICATION NUMBER: 10/225,068
/ PRIOR FILING DATE: 2002-08-09
/ NUMBER OF SEQ ID NOS: 2906
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 219
/ LENGTH: 1728
/ TYPE: DNA
/ ORGANISM: Arabidopsis thaliana
/ FEATURE:
/ OTHER INFORMATION: G1064
US-10-374-780A-219

Query Match      12.0%; Score 129; DB 17; Length 1728;
Best Local Similarity 71.0%; Pred. No. 1e-32;
Matches 171; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

QY 189 GTCTTCGACAGGACACCATTTGAAGAGAGCTTCGACTAAAGACCGTCAACAGAGTTGA 248
Db 420 GCGAGCTAAAGACCCACCGTTGAAACGAGCGTCGACGAAAGACCGACACACGAAAGTAGA 479

QY 249 AGGAGAGGAGAGAGATACGATCGCTCCACGTTGCGGCTAGGATTTTCAATTAAAC 308
Db 480 CGGAGAGGAGAGAGATTAAGATGCGGCGTTATGTGACGTAGGGTTTTCAGCTAAC 539

QY 309 TCGAGAGTTAGTTCACAAATCCGACGGGACCGTTCCGCCATCGCCATGTCGGTTAA 368
Db 540 GCGAGAGCTAGTTCATTAATCCGACGGGTGACAAATAGAGTGGCTTCTTCAACAGCTGA 599

QY 369 GCCGCGATTATAGCCGCCACCGGTACGGGAAACCGTTCCCGCCATCGCCATGTCGGTTAA 428
Db 600 ACCATCTGTAATCGCGGCCACCGGAAACCAATCCCGCGAATTTCACTTCTTTTAA 659

QY 429 C 429
Db 660 C 660

Search completed: July 9, 2005, 17:16:52
Job time : 718.441 secs
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: July 9, 2005, 12:50:25 ; Search time 192.531 Seconds
(without alignments)
9102.203 Million cell updates/sec

Title: US-09-938-842A-1034
Perfect score: 1071
Sequence: 1 atggcgacaattcagaagct.....cacgtgcatcgaaacctga 1071

Scoring table: OLIGO NUC
Gapop 60.0 , Gapext 60.0

Searched: 1202784 seqs, 818138359 residues

Word size : 0
Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Issued Patents NA: *
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	20	1.9	78810	4	US-09-949-016-16198 Sequence 16198, A
2	19	1.8	2556	4	US-09-489-039A-6112 Sequence 6112, Ap
3	19	1.8	34094	4	US-09-292-034-1 Sequence 1, Appli
4	19	1.8	168394	4	US-09-949-016-13002 Sequence 13002, A
5	18	1.7	372	4	US-09-902-540-5948 Sequence 5948, Ap
6	18	1.7	1527	4	US-09-489-039A-716 Sequence 716, App
7	18	1.7	1720	4	US-09-902-540-198 Sequence 198, App
8	18	1.7	4261	4	US-09-976-594-3 Sequence 3, Appli
9	18	1.7	35688	4	US-09-949-016-16873 Sequence 16873, A
10	18	1.7	94879	4	US-09-949-016-12101 Sequence 12101, A
11	18	1.7	94884	4	US-09-949-016-13393 Sequence 13393, A
12	18	1.7	162450	3	US-09-345-882-1 Sequence 1, Appli
13	18	1.7	784019	4	US-09-949-016-14033 Sequence 14033, A
14	18	1.7	828152	4	US-09-949-016-12777 Sequence 12777, A
15	18	1.7	1664976	4	US-08-916-421B-1 Sequence 1, Appli
16	18	1.7	1664976	4	US-09-692-570-1 Sequence 1, Appli
17	17	1.6	318	4	US-09-513-999C-24082 Sequence 24082, A
18	17	1.6	338	4	US-09-640-211A-1834 Sequence 1834, Ap
19	17	1.6	396	4	US-09-248-796A-12761 Sequence 12761, A
20	17	1.6	447	4	US-09-328-352-186 Sequence 186, App
21	17	1.6	494	4	US-09-270-767-454 Sequence 454, App
22	17	1.6	494	4	US-09-270-767-15736 Sequence 15736, A
23	17	1.6	516	1	US-08-510-878-2 Sequence 2, Appli
24	17	1.6	601	4	US-09-949-016-178644 Sequence 178644, A
25	17	1.6	601	4	US-09-949-016-178645 Sequence 178645, A
26	17	1.6	601	4	US-09-949-016-178646 Sequence 178646, A
27	17	1.6	601	4	US-09-949-016-184362 Sequence 184362, A

ALIGNMENTS

RESULT 1

US-09-949-016-16198
; Sequence 16198, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16198
; LENGTH: 78810
; TYPE: DNA
; ORGANISM: Human

FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(78810)
OTHER INFORMATION: n = A,T,C or G

US-09-949-016-16198

Query Match 1.9%; Score 20; DB 4; Length 78810;
Best Local Similarity 100.0%; Pred. No. 4.2;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1029 CCAGTTCATGAGCACCACAA 1048
DB 17829 CCAGTTCATGAGCACCACAA 17848

RESULT 2

US-09-489-039A-6112
; Sequence 6112, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489, 039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747

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; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 6112
; LENGTH: 2556
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-6112

Query Match      1.8%; Score 19; DB 4; Length 2556;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 180 AGCTCACCGTCTTCGACA 198
Db 850 AGCTCACCGTCTTCGACA 868

RESULT 3
US-09-292-034-1
; Sequence 1, Application US/09292034
; Patent No. 6492343
; GENERAL INFORMATION:
; APPLICANT: Reddy, P. Seshidhar
; APPLICANT: Tikoo, Suresh
; APPLICANT: Babluk, Lorne
; TITLE OF INVENTION: PORCINE ADENOVIRUS TYPE 3 GENOME
; FILE REFERENCE: 293102002400
; CURRENT APPLICATION NUMBER: US/09/292,034
; CURRENT FILING DATE: 1999-04-14
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 34094
; TYPE: DNA
; ORGANISM: Porcine Adenovirus Type 3
; FEATURE:
US-09-292-034-1

Query Match      1.8%; Score 19; DB 4; Length 34094;
Best Local Similarity 100.0%; Pred. No. 14;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 850 AGCAGCGGCTTTGTATCCG 868
Db 21527 AGCAGCGGCTTTGTATCCG 21545

RESULT 4
US-09-949-016-13002/c
; Sequence 13002, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13002
; LENGTH: 168394
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(168394)
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; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13002

Query Match      1.8%; Score 19; DB 4; Length 168394;
Best Local Similarity 100.0%; Pred. No. 14;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 545 TTTCAGCTTCTCCGGTTT 563
Db 77366 TTTCAGCTTCTCCGGTTT 77348

RESULT 5
US-09-902-540-5948
; Sequence 5948, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(115849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 5948
; LENGTH: 372
; TYPE: DNA
; ORGANISM: Myxococcus xanthus
US-09-902-540-5948

Query Match      1.7%; Score 18; DB 4; Length 372;
Best Local Similarity 100.0%; Pred. No. 52;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 150 GCCGGTGATGCCGTCGTT 167
Db 234 GCCGGTGATGCCGTCGTT 251

RESULT 6
US-09-489-039A-716
; Sequence 716, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 716
; LENGTH: 1527
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-716

Query Match      1.7%; Score 18; DB 4; Length 1527;
Best Local Similarity 100.0%; Pred. No. 50;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 143 AGCGGAGCCCGGTGATGC 160
Db 965 AGCGGAGCCCGGTGATGC 982

RESULT 7
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US-09-902-540-198
; CURRENT FILING DATE: 2000-04-14
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/241,755
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 198
; LENGTH: 1720
; TYPE: DNA
; ORGANISM: Myxococcus xanthus
US-09-902-540-198

Query Match          1.7%; Score 18; DB 4; Length 1720;
Best Local Similarity 100.0%; Pred. No. 50;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 150 GCCGGTGATGCCGTCGTT 167
Db 234 GCCGGTGATGCCGTCGTT 251

RESULT 8
US-09-976-594-3/c
; Sequence 3, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 3
; LENGTH: 4261
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673549 1863336CB1
US-09-976-594-3

Query Match          1.7%; Score 18; DB 4; Length 4261;
Best Local Similarity 100.0%; Pred. No. 49;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 603 AGCTTGGCATCATCCAC 620
Db 3322 AGCTTGGCATCATCCAC 3305

RESULT 9
US-09-949-016-16873/c
; Sequence 16873, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14

US-09-902-540-198
; CURRENT FILING DATE: 2000-04-14
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16873
; LENGTH: 35688
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16873

Query Match          1.7%; Score 18; DB 4; Length 35688;
Best Local Similarity 100.0%; Pred. No. 47;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 473 TGGGTGAAAATCTGATGA 490
Db 30454 TGGGTGAAAATCTGATGA 30437

RESULT 10
US-09-949-016-12101/c
; Sequence 12101, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12101
; LENGTH: 94879
; TYPE: DNA
; ORGANISM: Human
; NAME/KEY: misc feature
; LOCATION: (1)...(94879)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12101

Query Match          1.7%; Score 18; DB 4; Length 94879;
Best Local Similarity 100.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 510 TTCTAACAGTGCAGTATAT 527
Db 76650 TTCTAACAGTGCAGTATAT 76633

RESULT 11
US-09-949-016-13393/c
; Sequence 13393, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
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; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13393
; LENGTH: 94884
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(94884)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13393

Query Match 1.7%; Score 18; DB 4; Length 94884;
Best Local Similarity 100.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 510 TTCTAACAGTGTGATAT 527
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Db 76650 TTCTAACAGTGTGATAT 76633

RESULT 12

US-09-345-882-1
; Sequence 1, Application US/09345882
; Patent No. 6399373
; GENERAL INFORMATION:
; APPLICANT: Bougueret, Lydie
; TITLE OF INVENTION: A NUCLEIC ACID ENCODING A RETINOBLASTOMA BINDING PROTEIN (RBP-7)
; FILE REFERENCE: GENSET.031A
; CURRENT APPLICATION NUMBER: US/09/345,882
; CURRENT FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/091,315
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/111,909
; PRIOR FILING DATE: 1998-12-10
; NUMBER OF SEQ ID NOS: 140
; SOFTWARE: Patent.pm
; SEQ ID NO 1
; LENGTH: 162450
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 72794
; OTHER INFORMATION: 5-124-273 : polymorphic base A or G
; FEATURE:
; NAME/KEY: allele
; LOCATION: 88073
; OTHER INFORMATION: 5-127-261 : polymorphic base A or C
; FEATURE:
; NAME/KEY: allele
; LOCATION: 90842
; OTHER INFORMATION: 99-1437-325 : polymorphic base A or G
; FEATURE:
; NAME/KEY: allele
; LOCATION: 93714
; OTHER INFORMATION: 5-128-60 : polymorphic base deletion of GT
; FEATURE:
; NAME/KEY: allele
; LOCATION: 97122
; OTHER INFORMATION: 99-1442-224 : polymorphic base G or T
; FEATURE:
; NAME/KEY: allele
; LOCATION: 97152
; OTHER INFORMATION: 5-129-144 : polymorphic base deletion of T
; FEATURE:
; NAME/KEY: allele
; LOCATION: 99098
; OTHER INFORMATION: 5-130-257 : polymorphic base A or G
; FEATURE:
; NAME/KEY: allele
; LOCATION: 99117
; OTHER INFORMATION: 5-130-276 : polymorphic base A or G
; FEATURE:
; NAME/KEY: allele
; LOCATION: 103806
; OTHER INFORMATION: 5-131-395 : polymorphic base A or T
; FEATURE:
; NAME/KEY: allele
; LOCATION: 106940
; OTHER INFORMATION: 5-133-375 : polymorphic base insertion of A
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108106
; OTHER INFORMATION: 5-135-155 : polymorphic base insertion of A
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108149
; OTHER INFORMATION: 5-135-198 : polymorphic base insertion of GTTT
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108308
; OTHER INFORMATION: 5-135-357 : polymorphic base A or G
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108471
; OTHER INFORMATION: 5-136-174 : polymorphic base C or T
; FEATURE:
; NAME/KEY: allele
; LOCATION: 134134
; OTHER INFORMATION: 5-140-120 : polymorphic base C or T
; FEATURE:
; NAME/KEY: allele
; LOCATION: 134362
; OTHER INFORMATION: 5-140-348 : polymorphic base insertion of A
; FEATURE:
; NAME/KEY: allele
; LOCATION: 134374
; OTHER INFORMATION: 5-140-361 : polymorphic base insertion of CA
; FEATURE:
; NAME/KEY: allele
; LOCATION: 146328
; OTHER INFORMATION: 5-143-84 : polymorphic base A or G
; FEATURE:
; NAME/KEY: allele
; LOCATION: 146345
; OTHER INFORMATION: 5-143-101 : polymorphic base A or C
; FEATURE:
; NAME/KEY: allele
; LOCATION: 150329
; OTHER INFORMATION: 5-145-24 : polymorphic base A or G
; FEATURE:
; NAME/KEY: allele
; LOCATION: 160031
; OTHER INFORMATION: 5-148-352 : polymorphic base G or T
; FEATURE:
; NAME/KEY: allele
; LOCATION: 72771..72817
; OTHER INFORMATION: polymorphic fragment 5-124-273 SEQ ID30
; FEATURE:
; NAME/KEY: allele
; LOCATION: 72771..72817
; OTHER INFORMATION: polymorphic fragment 5-124-273 SEQ ID51
; FEATURE:
; NAME/KEY: allele
; LOCATION: 88050..88096
; OTHER INFORMATION: polymorphic fragment 5-127-261 SEQ ID31
; FEATURE:
; NAME/KEY: allele

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LOCATION: 88050..88096
OTHER INFORMATION: polymorphic fragment 5-127-261 SEQ ID52
FEATURE:
NAME/KEY: allele
LOCATION: 90819..90865
OTHER INFORMATION: complement polymorphic fragment 99-1437-325 SEQ ID49
FEATURE:
NAME/KEY: allele
LOCATION: 90819..90865
OTHER INFORMATION: complement polymorphic fragment 99-1437-325 SEQ ID70
FEATURE:
NAME/KEY: allele
LOCATION: 93690..93736
OTHER INFORMATION: polymorphic fragment 5-128-60 SEQ ID32
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NAME/KEY: allele
LOCATION: 97130..97177
OTHER INFORMATION: polymorphic fragment 5-129-144 SEQ ID33
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NAME/KEY: allele
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NAME/KEY: allele
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NAME/KEY: allele
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RESULT 13
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; Sequence 14033, Application US/09949016
; Patent No. 6812339
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; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14033
; LENGTH: 784019
; TYPE: DNA
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; NAME/KEY: misc_feature
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US-09-949-016-14033

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; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
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; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
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;   OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12777

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Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 15
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; Sequence 1, Application US/08916421B
; Patent No. 6503729
; GENERAL INFORMATION:
;   APPLICANT: Bult et al.
;   TITLE OF INVENTION: Complete Genome Sequence of the Methanogenic Archaeon, Methanococcus
;   Patent No. 6503729
;   TITLE OF INVENTION: jannaschii
;   FILE REFERENCE: PB275
;   CURRENT APPLICATION NUMBER: US/08/916,421B
;   CURRENT FILING DATE: 1997-08-22
;   PRIOR APPLICATION NUMBER: US 60/024,428
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US-08-916-421B-1
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Best Local Similarity 100.0%; Pred. No. 43;
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Db 1522815 CAATGCTTTAGCTCCAC 1522798
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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

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(without alignments)
9438.079 Million cell updates/sec

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Gapop 60.0 , Gapext 60.0

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Minimum DB seq length: 0

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SUMMARIES

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3	289	27.0	460	9	US-09-924-035A-502
4	286	26.7	453	9	US-09-770-444-615
5	185	17.3	185	9	US-09-770-696-257
6	25	2.3	704	17	US-10-225-066A-1049
7	25	2.3	704	17	US-10-374-780A-2689

ALIGNMENTS

RESULT 1

US-09-938-842A-1034

; Sequence 1034, Application US/0938842A

; Patent No. US20020160378A1

; GENERAL INFORMATION:

; APPLICANT: Harper, Jeff

; APPLICANT: Kreps, Joel

; APPLICANT: Wang, Xun

; APPLICANT: Zhu, Tong

; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING

; FILE REFERENCE: SCRIPI300-3

; CURRENT APPLICATION NUMBER: US/09/938,842A

; CURRENT FILING DATE: 2001-08-24

; PRIOR APPLICATION NUMBER: US 60/227,866

; PRIOR FILING DATE: 2000-08-24

; PRIOR APPLICATION NUMBER: US 60/264,647

; PRIOR FILING DATE: 2001-01-16

; PRIOR APPLICATION NUMBER: US 60/300,111

; PRIOR FILING DATE: 2001-06-22

; NUMBER OF SEQ ID NOS: 5379

; SEQ ID NO 1034

; LENGTH: 1071

; TYPE: DNA

; ORGANISM: Arabidopsis thaliana

US-09-938-842A-1034

Query Match 100.0%; Score 1071; DB 9; Length 1071;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 1071; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; Sequence 1034, Application US/09938842A
; Publication No. US20040009476A9
; GENERAL INFORMATION:
; APPLICANT: Harper, Jeff
; APPLICANT: Kreps, Joel
; APPLICANT: Wang, Xun
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
; FILE REFERENCE: SCRI1300-3
; CURRENT APPLICATION NUMBER: US/09/938,842A
; CURRENT FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/227,866
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/264,647
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/300,111
; PRIOR FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 1034
; LENGTH: 1071
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-938-842A-1034

Query Match 100.0%; Score 1071; DB 11; Length 1071;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1071; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 421 TCGGTTAAGCGAACTTAAAAATCCGACGACGAAACGCTGATTCGATATGGGTGAA 480
Db 421 TCGGTTAAGCGAACTTAAAAATCCGACGACGAAACGCTGATTCGATATGGGTGAA 480
QY 481 AATCTGATGAAGAGAGAAACGTPAAACGACCTTCTAACAGTGAATATAGACATTAAGCGAC 540
Db 481 AATCTGATGAAGAGAGAAACGTPAAACGACCTTCTAACAGTGAATATAGACATTAAGCGAC 540
QY 541 GCGGTTTTCAGCTTCTCGGTTTTCAGCTTCCAAATTCGACGACGACCAACGATCCAACTCG 600
Db 541 GCGGTTTTCAGCTTCTCGGTTTTCAGCTTCCAAATTCGACGACGACCAACGATCCAACTCG 600
QY 601 CAAGCTCTGGCATCATCCACTGTGCTCAGCAACTTCTGCGCAAGGAATGTATCCCGATG 660
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Db 601 CAAGCTCTGGCATATCCCACTGTGGCTCAGCAACTTCTCGCGCAAGGAATGTATCCGATG 660
Qy 661 TGGGCTATTCCATCAAAACGAATGATTCGACGGTCGGAGCTTCTTCTTGATTCACAA 720
Db 661 TGGGCTATTCCATCAAAACGAATGATTCGACGGTCGGAGCTTCTTCTTGATTCACAA 720
Qy 721 ATCGCTGGTCGGTGAATCAGGCTCAGTTATTAGCTTTTCCGCGCCGCTGCTTCGCCG 780
Db 721 ATCGCTGGTCGGTGAATCAGGCTCAGTTATTAGCTTTTCCGCGCCGCTGCTTCGCCG 780
Qy 781 TCGTCTTAGCTCGCGCTGTTCAACAGGCTTCCACATCGCTAGACCACTCTCTTACAA 840
Db 781 TCGTCTTAGCTCGCGCTGTTCAACAGGCTTCCACATCGCTAGACCACTCTCTTACAA 840
Qy 841 GTTGTTCGAAGCAGCGCTTGTATCCGTTTCAAGCTTAGCGTTTTCGAATTTATCAAGA 900
Db 841 GTTGTTCGAAGCAGCGCTTGTATCCGTTTCAAGCTTAGCGTTTTCGAATTTATCAAGA 900
Qy 901 GCGAGCTCGGTTATGGCTCCGAGCTCAAGCTCAGGCGTAACACCGGTATTCATCGTCA 960
Db 901 GCGAGCTCGGTTATGGCTCCGAGCTCAAGCTCAGGCGTAACACCGGTATTCATCGTCA 960
Qy 961 ATTGCAACAAACGACGACGACGCTGAGAGACTTCTCCTAGAGATATACGAGAAACA 1020
Db 961 ATTGCAACAAACGACGACGACGCTGAGAGACTTCTCCTAGAGATATACGAGAAACA 1020
Qy 1021 GAGCTTCCAGCTTCATGAGCACCACCAACAGCAGCTCATCGAACCACTGA 1071
Db 1021 GAGCTTCCAGCTTCATGAGCACCACCAACAGCAGCTCATCGAACCACTGA 1071

RESULT 3

US-09-924-035A-502/c
; Sequence 502, Application US/09924035A
; Patent No. US20020142319A1
; GENERAL INFORMATION:
; APPLICANT: Glaxo, Jrn
; TITLE OF INVENTION: Expressed Sequences of Arabidopsis
; FILE REFERENCE: 2011US
; CURRENT APPLICATION NUMBER: US/09/924,035A
; CURRENT FILING DATE: 2000-08-11
; PRIOR APPLICATION NUMBER: US 60/148,784
; PRIOR FILING DATE: 1999-08-13
; NUMBER OF SEQ ID NOS: 900
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 502
; LENGTH: 460
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(460)
; OTHER INFORMATION: n = A,T,C or G
US-09-924-035A-502

Query Match 27.0%; Score 289; DB 9; Length 460;
Best Local Similarity 99.6%; Pred. No. 1.5e-148;
Matches 459; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
Qy 600 GCAAGCTCTGGCATATCCATCTGTGGCTCAGCAACTTCTGCGCGCAAGGAATGTATCCGAT 659
Db 460 GCAAGCTCTGGCATATCCATCTGTGGCTCAGCAACTTCTGCGCGCAAGGAATGTATCCGAT 401
Qy 660 GTGGGCTATTCCATCAAAACGAATGATTCGACGGTCGGAGCTTCTTCTTGATTCACAA 719
Db 400 GTGGGCTATTCCATCAAAACGAATGATTCGACGGTCGGAGCTTCTTCTTGATTCACAA 341
Qy 720 ATCGCTGGTCGGTGAATCAGGCTCAGTTATTAGCTTTTCCGCGCCGCTGCTTCGCC 779
Db 340 ATCGCTGGTCGGTGAATCAGGCTCAGTTATTAGCTTTTCCGCGCCGCTGCTTCGCC 282

Qy 780 GTGCTCTTAGCTCGCGCTGTTCACAGGCTTCCAGATGGCTAGACCACTCTCTTACA 839
Db 281 GTGCTCTTAGCTCGCGCTGTTCACAGGCTTCCAGATGGCTAGACCACTCTCTTACA 222
Qy 840 AGTTGTTTCCAGCAGCGGCTTGTATCCGTTTCAAGCTTACAGGCTTACGAGTTCGAATTTATCAAG 899
Db 221 AGTTGTTTCCAGCAGCGGCTTGTATCCGTTTCAAGCTTACAGGCTTACGAGTTCGAATTTATCAAG 162
Qy 900 AGCGAGCTCGGTTATGGCTTCCGAGCTCAAGCTCAGGCGTAACACCGGTAGTTTCATCGTC 959
Db 161 AGCGAGCTCGGTTATGGCTTCCGAGCTCAAGCTCAGGCGTAACACCGGTAGTTTCATCGTC 102
Qy 960 AATTGCAACAAACGACGACGCTGAGAGACTTCTCCTAGAGATATACGAGAAACA 1019
Db 101 AATTGCAACAAACGACGACGCTGAGAGACTTCTCCTAGAGATATACGAGAAACA 42
Qy 1020 AGAGCTTCCAGCTTCATGAGCACCACCAACAGCAGCTCAT 1060
Db 41 AGAGCTTCCAGCTTCATGAGCACCACCAACAGCAGCTCAT 1

RESULT 4

US-09-770-444-615/c
; Sequence 615, Application US/09770444
; Patent No. US20020023280A1
; GENERAL INFORMATION:
; APPLICANT: Goriach, Jörn
; APPLICANT: An, Yong-Qiang
; APPLICANT: Hamilton, Carol M.
; APPLICANT: Price, Jennifer L.
; APPLICANT: Raines, Tracy M.
; APPLICANT: Yu, Yang
; APPLICANT: Rameaka, Joshua G.
; APPLICANT: Page, Amy
; APPLICANT: Matthew, Abraham V.
; APPLICANT: Ledford, Brooke L.
; APPLICANT: Woessner, Jeffrey P.
; APPLICANT: Haas, William David
; APPLICANT: Garcia, Carlos A.
; APPLICANT: Krieker, Maja
; APPLICANT: Slader, Ted
; APPLICANT: Davis, Keith R.
; APPLICANT: Allen, Keith
; APPLICANT: Hoffman, Neil
; APPLICANT: Hurban, Patrick
; TITLE OF INVENTION: Expressed Sequences of Arabidopsis
; FILE REFERENCE: 2027 (PARA-016PRV)
; CURRENT APPLICATION NUMBER: US/09/770,444
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/178,502
; PRIOR FILING DATE: 2000-01-27
; NUMBER OF SEQ ID NOS: 999
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 615
; LENGTH: 453
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(453)
; OTHER INFORMATION: n = A,T,C or G
US-09-770-444-615

Query Match 26.7%; Score 286; DB 9; Length 453;
Best Local Similarity 100.0%; Pred. No. 6.7e-147;
Matches 286; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 775 TCGCGCTCTTACGTCGCGCTGTTCACAGGCTTCCAGATGGCTAGACCACTCTCT 834
Db 286 TCGCGCTCTTACGTCGCGCTGTTCACAGGCTTCCAGATGGCTAGACCACTCTCT 227
Qy 835 TTACAAGTTGTTTCCAAGCAGCGGCTTTGTATCCGTTTTCAGAGCTTAGCGGTTTCGAATTGA 894

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Db      226  TTACAAGTTGTTCCAAAGCAGCGCTTTGTTATCCGTTTCAGAGTTAGCGTTTCGAATTTA 167
QY      895  TCAAGAGCGACGTCGGTTATGCTCCGAGCTCAAGCTCAGGCGTAACCAACCGGTAGTTCA 954
Db      166  TCAAGAGCGACGTCGGTTATGCTCCGAGCTCAAGCTCAGGCGTAACCAACCGGTAGTTCA 107
QY      955  TCGTCAATTGCAACACGACGCGACACGCTGAGAGCTTCCCTAGAGATATACGAG 1014
Db      106  TCGTCAATTGCAACACGACGCGACACGCTGAGAGCTTCCCTAGAGATATACGAG 47
QY      1015 AAACAAGAGCTTCCACAGTTTCATGAGCACCAACACGACGCTCAT 1060
Db      46  AAACAAGAGCTTCCACAGTTTCATGAGCACCAACACGACGCTCAT 1

RESULT 5
US-09-770-696-257
; Sequence 257, Application US/09770696
; Patent No. US20010044940A1
; GENERAL INFORMATION:
; APPLICANT: Gorlach, Jorn
; APPLICANT: An, Yong-Qiang
; APPLICANT: Hamilton, Carol M.
; APPLICANT: Price, Jennifer L.
; APPLICANT: Raines, Tracy M.
; APPLICANT: Yu, Yang
; APPLICANT: Rameaka, Joshua G.
; APPLICANT: Page, Amy
; APPLICANT: Matthew, Abraham V.
; APPLICANT: Ledford, Brooke L.
; APPLICANT: Woessner, Jeffrey P.
; APPLICANT: Haas, William David
; APPLICANT: Garcia, Carlos A.
; APPLICANT: Krieker, Ted
; APPLICANT: Slader, Ted
; APPLICANT: Davis, Keith R.
; APPLICANT: Allen, Keith
; APPLICANT: Hoffman, Neil
; APPLICANT: Hurban, Patrick
; TITLE OF INVENTION: Expressed Sequences of Arabidopsis
; FILE REFERENCE: 2031US (PARA-020PRV)
; CURRENT APPLICATION NUMBER: US/09770,696
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/178,278
; PRIOR FILING DATE: 2000-01-27
; NUMBER OF SEQ ID NOS: 911
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 257
; LENGTH: 185
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-770-696-257

.. Query Match      17.3%; Score 185; DB 9; Length 185;
Best Local Similarity 100.0%; Pred. No. 4.4e-91;
Matches 185; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      35  GCAAGATCAAACTCTAAGAGCGGTTGATCTAAACCATCATCAACGGCGTCAGAAACGTCG 94
Db      1  GCAAGATCAAACTCTAAGAGCGGTTGATCTAAACCATCATCAACGGCGTCAGAAACGTCG 60
QY      95  AAACCTCAAGACCTTCCAGTAAATCCACAGTAGTCTCAGCCCAAGCGCGAGCGCG 154
Db      61  AAACCTCAAGACCTTCCAGTAAATCCACAGTAGTCTCAGCCCAAGCGCGAGCGCG 120
QY      155 TCATCGCGTCTTTCAATGTCTTTAGCTCCACCGTCTTCGACAGGACCAACCATTAAGA 214
Db      121 TCATCGCGTCTTTCAATGTCTTTAGCTCCACCGTCTTCGACAGGACCAACCATTAAGA 180
QY      215 GAGCT 219
      |||||
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```
Db      181  GAGCT 185

RESULT 6
US-10-225-066A-1049
; Sequence 1049, Application US/10225066A
; Publication No. US20030226173A1
; GENERAL INFORMATION:
; APPLICANT: Mendel Biotechnology, Inc.
; APPLICANT: RATCLIFFE, Oliver
; APPLICANT: RIECHMANN, Jose Luis
; APPLICANT: ADAM, Luc J
; APPLICANT: DUBELL, Arnold T
; APPLICANT: HEARD, Jacqueline E
; APPLICANT: FILGRIM, Marsha L
; APPLICANT: JIANG, Cai-Zhong
; APPLICANT: REUBER, T. Lynne
; APPLICANT: CREELMAN, Robert A
; APPLICANT: PINEDA, Omaira
; APPLICANT: YU, Guo-Liang
; APPLICANT: BROUN, Pierre E
; TITLE OF INVENTION: Yield-Related Polynucleotides and Polypeptides in Plants
; FILE REFERENCE: MBI0036-2 US
; CURRENT APPLICATION NUMBER: US/10/225,066A
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 09/837,444
; PRIOR FILING DATE: 2001-04-18
; PRIOR APPLICATION NUMBER: 60/310,847
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/336,049
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: 60/338,692
; PRIOR FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: 10/171,468
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 1122
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1049
; LENGTH: 704
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-10-225-066A-1049

Query Match      2.3%; Score 25; DB 17; Length 704;
Best Local Similarity 100.0%; Pred. No. 0.013;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      222  GACTAAAGACCGTCACACGAAAGGTT 246
      |||||
Db      189  GACTAAAGACCGTCACACGAAAGGTT 213

RESULT 7
US-10-374-780A-2689
; Sequence 2689, Application US/10374780A
; Publication No. US20040019927A1
; GENERAL INFORMATION:
; APPLICANT: Sherman, Bradley K
; APPLICANT: Riechmann, Jose Luis
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Heard, Jacqueline E
; APPLICANT: Haake, Volker
; APPLICANT: Creelman, Robert A
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Adam, Luc J
; APPLICANT: Reuber, T. Lynne
; APPLICANT: Keddie, James
; APPLICANT: Broun, Pierre E
; APPLICANT: Pilgrim, Marsha L
; APPLICANT: Dubell III, Arnold T
; APPLICANT: Pineda, Omaira
; APPLICANT: Yu, Guo-Liang
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS
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FILE REFERENCE: MBI-0047 CIP
CURRENT APPLICATION NUMBER: US/10/374,780A
CURRENT FILING DATE: 2003-02-25
PRIOR APPLICATION NUMBER: 09/837,944
PRIOR FILING DATE: 2001-04-18
PRIOR APPLICATION NUMBER: 60/310,847
PRIOR FILING DATE: 2001-08-09
PRIOR APPLICATION NUMBER: 09/934,455
PRIOR FILING DATE: 2001-08-22
PRIOR APPLICATION NUMBER: 60/336,049
PRIOR FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/338,692
PRIOR FILING DATE: 2001-12-11
PRIOR APPLICATION NUMBER: 10/171,468
PRIOR FILING DATE: 2002-06-14
PRIOR APPLICATION NUMBER: 10/225,066
PRIOR FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: 10/225,067
PRIOR FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: 10/225,068
PRIOR FILING DATE: 2002-08-09
NUMBER OF SEQ ID NOS: 2906
SOFTWARE: PatentIn version 3.2
SEQ ID NO 2689
LENGTH: 704
TYPE: DNA
ORGANISM: Arabidopsis thaliana
FEATURE:
OTHER INFORMATION: G1663
US-10-374-780A-2689

Query Match 2.1%; Score 25; DB 17; Length 704;
Best Local Similarity 100.0%; Pred. No. 0.013;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 222 GACTAAGACCGTCACGAGGTT 246
DB 189 GACTAAGACCGTCACGAGGTT 213

RESULT 8
US-09-732-627A-4287
Sequence 4287, Application US/09/732627A
Publication No. US20040123338A1
GENERAL INFORMATION:
APPLICANT: Fincher, Karen L.
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
FILE REFERENCE: 38-21(51770)B
CURRENT APPLICATION NUMBER: US/09/732,627A
CURRENT FILING DATE: 2000-12-08
NUMBER OF SEQ ID NOS: 4930
SEQ ID NO 4287
LENGTH: 390
TYPE: DNA
ORGANISM: Gossypium hirsutum
FEATURE:
OTHER INFORMATION: Clone ID: LIB3493-028-P1-M1-F9
US-09-732-627A-4287

Query Match 2.1%; Score 23; DB 11; Length 390;
Best Local Similarity 100.0%; Pred. No. 0.16;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 223 ACTAAGACCGTCACGAGGTT 245
DB 43 ACTAAGACCGTCACGAGGTT 65

RESULT 9
US-10-021-323-15482
Sequence 15482, Application US/10021323
Publication No. US20040123340A1

GENERAL INFORMATION:
APPLICANT: Deikman, Jill
APPLICANT: Feng, Paul C.C.
APPLICANT: Fincher, Karen L.
APPLICANT: Ziegler, Todd E.
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
FILE REFERENCE: 38-21(52274)B
CURRENT APPLICATION NUMBER: US/10/021,323
CURRENT FILING DATE: 2001-12-12
PRIOR APPLICATION NUMBER: US 60/255, 619
PRIOR FILING DATE: 2000-12-14
NUMBER OF SEQ ID NOS: 17880
SEQ ID NO 15482
LENGTH: 587
TYPE: DNA
ORGANISM: Gossypium hirsutum
FEATURE:
OTHER INFORMATION: Clone ID: LIB3829-026-Q6-K6-G6
US-10-021-323-15482

Query Match 2.1%; Score 23; DB 19; Length 587;
Best Local Similarity 100.0%; Pred. No. 0.16;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 223 ACTAAGACCGTCACGAGGTT 245
DB 257 ACTAAGACCGTCACGAGGTT 279

RESULT 10
US-10-767-795-3984
Sequence 3984, Application US/10767795
Publication No. US20040181830A1
GENERAL INFORMATION:
APPLICANT: Kovalic, David K.
APPLICANT: Cao, Yongwei
APPLICANT: Zhou, Yihua
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
FILE REFERENCE: 38-21(53534)B
CURRENT APPLICATION NUMBER: US/10/767,795
CURRENT FILING DATE: 2004-01-30
NUMBER OF SEQ ID NOS: 117596
SEQ ID NO 3984
LENGTH: 938
TYPE: DNA
ORGANISM: Gossypium hirsutum
FEATURE:
OTHER INFORMATION: Clone ID: GOSHI-09MAY01-C3741_1
US-10-767-795-3984

Query Match 2.1%; Score 23; DB 19; Length 938;
Best Local Similarity 100.0%; Pred. No. 0.17;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 223 ACTAAGACCGTCACGAGGTT 245-
DB 258 ACTAAGACCGTCACGAGGTT 280

RESULT 11
US-10-295-403-147
Sequence 147, Application US/10295403
Publication No. US20030101481A1
GENERAL INFORMATION:
APPLICANT: Heard, Jacqueline
APPLICANT: Riechmann, Jose Luis
APPLICANT: Adam, Luc
APPLICANT: Broun, Pierre
APPLICANT: Pineda, Omaira
APPLICANT: Reuber, Lynne
APPLICANT: Jiang, Cai-Zhong

; APPLICANT: Keddle, James
; APPLICANT: Zhang, James
; APPLICANT: Benito, Maria-Ines
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Fromm, Mike
; TITLE OF INVENTION: PLANT GENE SEQUENCES I
; FILE REFERENCE: MBI-0003
; CURRENT APPLICATION NUMBER: US/10/295,403
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US/09/394,519
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: 60/101,349
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: 60/103,312
; PRIOR FILING DATE: 1998-10-06
; PRIOR APPLICATION NUMBER: 60/108,734
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: 60/113,409
; PRIOR FILING DATE: 1998-12-22
; NUMBER OF SEQ ID NOS: 170
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 147
; LENGTH: 1604
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (143)..(1345)
; OTHER INFORMATION: G802
US-10-295-403-147

Query Match 2.1%; Score 23; DB 15; Length 1604;
Best Local Similarity 100.0%; Pred. No. 0.17;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 220 TCGACTAAGACCGTCACACGAA 242
|||||
Db 317 TCGACTAAGACCGTCACACGAA 339

RESULT 12
US-10-412-699B-551
; Sequence 551, Application US/10412699B
; Publication No. US20040045049A1
; GENERAL INFORMATION:
; APPLICANT: Wendel Biotechnology, Inc.
; APPLICANT: Zhang, James
; APPLICANT: Fromm, Michael E.
; APPLICANT: Heard, Jacqueline E.
; APPLICANT: Riechmann, Jose Luis
; APPLICANT: Adam, Luc J.
; APPLICANT: Broun, Pierre E.
; APPLICANT: Pineda, Omaidra
; APPLICANT: Reuber, T. Lynne
; APPLICANT: Keddle, James S.
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Samaha, Raymond R.
; APPLICANT: Pilgrim, Marsha L.
; APPLICANT: Creelman, Robert A.
; APPLICANT: DuBell, Arnold N.
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Kunitomo, Roderick
; APPLICANT: Sherman, Bradley K.
; TITLE OF INVENTION: Polynucleotides and Polypeptides in Plants
; FILE REFERENCE: MBI-0048CIP
; CURRENT APPLICATION NUMBER: US/10/412,699B
; CURRENT FILING DATE: 2003-04-10
; PRIOR APPLICATION NUMBER: 09/394,519
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: 09/489,376
; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: 09/506,720

; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: 09/533,030
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,392
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,029
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/532,591
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,648
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/713,994
; PRIOR FILING DATE: 2000-11-16
; PRIOR APPLICATION NUMBER: 09/819,142
; PRIOR FILING DATE: 2001-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2011
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 551
; LENGTH: 1604
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; OTHER INFORMATION: G802
US-10-412-699B-551

Query Match 2.1%; Score 23; DB 18; Length 1604;
Best Local Similarity 100.0%; Pred. No. 0.17;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 220 TCGACTAAGACCGTCACACGAA 242
|||||
Db 317 TCGACTAAGACCGTCACACGAA 339

RESULT 13
US-10-363-345A-33693/C
; Sequence 33693, Application US/10363345A
; Publication No. US20040234960A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Method for determining the degree of methylation of defined
; FILE REFERENCE: E01/1227
; CURRENT APPLICATION NUMBER: US/10/363,345A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 33693
; LENGTH: 755
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; OTHER INFORMATION: CpG-island No: 33693
US-10-363-345A-33693

Query Match 2.0%; Score 21; DB 20; Length 755;
Best Local Similarity 100.0%; Pred. No. 2.1;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 438 AAAAATCCGACGACGACGAA 458
|||||
Db 88 AAAAATCCGACGACGACGAA 68

RESULT 14
US-10-363-345A-33694
; Sequence 33694, Application US/10363345A
; Publication No. US20040234960A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek

```

; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Method for determining the degree of methylation of defined
; FILE REFERENCE: E01/1227
; CURRENT APPLICATION NUMBER: US/10/363,345A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 33694
; LENGTH: 755
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; OTHER INFORMATION: CpG-island No: 33694
US-10-363-345A-33694

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```

Query Match      2.0%; Score 21; DB 20; Length 755;
Best Local Similarity 100.0%; Pred. No. 2.1;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 438 AAAAATCCCGACGACGACGAA 458
Db 668 AAAAATCCCGACGACGACGAA 688

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RESULT 15
US-10-363-483A-33693/C
; Sequence 33693, Application US/10363483A
; Publication No. US20050064401A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Diagnosis of illnesses or predisposition to certain
; FILE REFERENCE: 82011
; CURRENT APPLICATION NUMBER: US/10/363,483A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 33693
; LENGTH: 755
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; OTHER INFORMATION: CpG-island No: 33693
US-10-363-483A-33693

```

```

Query Match      2.0%; Score 21; DB 21; Length 755;
Best Local Similarity 100.0%; Pred. No. 2.1;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 438 AAAAATCCCGACGACGACGAA 458
Db 88 AAAAATCCCGACGACGACGAA 68

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